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U.S. Patent and Trademark

PTO/SB/08A (10-01)
Approved through 10/31/2002. OMB 0651-0031
DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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Complete if Known

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| Application Number | 10/057,554 |
| Filing Date | January 23, 2002 |
| First Named Inventor | Chow |
| Group Art Unit | 4714-1735 |
| Examiner Name | Unassigned WOOD |
| Attorney Docket Number | 10118.00012 |

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|---|---|
| | | Number - Kind Code ² (if known) | | | |
| cel/w | | US-5,976,234 A | 11/02/1999 | Chow et al. | Entire document |
| | | US- 5,522,893 A | 06/04/1996 | Chow et al. | Entire document |
| | | US- 4,518,430 A | 05/21/1985 | Brown et al. | Entire document |
| | | US- 5,962,028 A | 10/05/1999 | Constantz | Particularly columns 5 and 6 |
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FOREIGN PATENT DOCUMENTS

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| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | | | | |
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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| First Named Inventor | Laurence C. Chow |
| Group Art Unit | 1744 1755 |
| Examiner Name | IN000 |
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| Group Art Unit | 174 175 |
| Examiner Name | WOSD |
| Attorney Docket Number | 10118.00012 |

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Date Considered

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Sheet 3 of 13

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Application Number 10/057,554

Filing Date January 23, 2002

First Named Inventor Laurence C. Chow

Group Art Unit 1714 1655

Examiner Name

Attorney Docket Number 40118.00012

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|--------------------|-----------------------|---|--------------------------------|---|---|----------------|
| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | | | | |
| Z/Z | | Japan 64-29266 | 1/31/89 | | | |
| | | Japan 1-301543 | 12/5/89 | | | |
| | | Japan 3-183605 | 8/9/91 | | | |
| | | Japan 4-69611 | 2/26/92 | | | |
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Sheet 4 of 13

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| Application Number | 10/057,554 |
| Filing Date | January 23, 2002 |
| First Named Inventor | Laurence C. Chow |
| Group Art Unit | 1744 1755 |
| Examiner Name | Woon |
| Attorney Docket Number | 10118.00012 |

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|---------------------|-----------------------|---|----------------|
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Examiner
Signature

Woon

Date
Considered

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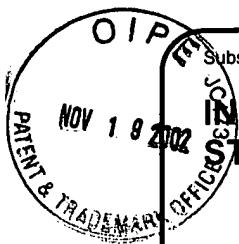
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|---------------------|-----------------------|--|----------------|
| CMP | | Moreno, et al., "Stability of Dicalcium Phosphate Dihydrate in Aqueous Solutions and Solubility of Octacalcium Phosphate," <u>Soil Sci. Soc. Am. Proc.</u> 21: 99-102 (1960) * | |
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Signature

WDSV

Date
Considered

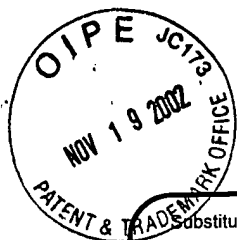
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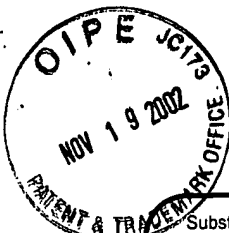
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Sheet 7 of 13

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Application Number 10/057,554
Filing Date January 23, 2002
First Named Inventor Laurence C. Chow
Group Art Unit 1714 1753
Examiner Name WDP
Attorney Docket Number 10118.00012

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| C | | Chow, et al., "Self-Setting Calcium Phosphate Cements," Mat. Res. Soc. Symp. Proc. Vol. 179, 1991 | * |
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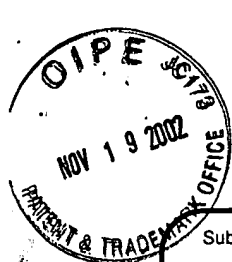
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| | | Application Number | 10/057,554 | | |
| | | Filing Date | January 23, 2002 | | |
| | | First Named Inventor | Laurence C. Chow | | |
| | | Group Art Unit | 1714 1768 | | |
| | | Examiner Name | WJW | | |
| Sheet | 8 | of | 13 | Attorney Docket Number | 10118.00012 |

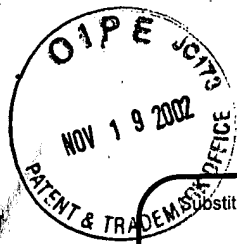
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| WJW | | Constantino, et al., "Experimental Hydroxyapatite Cement Cranioplasty," <u>Plastic and Reconstructive Surgery</u> , Vol. 90 No. 2, pp. 174-85 (Aug. 1992). | |
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| Examiner Signature | WJW | Date Considered | 5/12/03 |
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Application Number 10/057,554
Filing Date January 23, 2002
First Named Inventor Laurence C. Chow
Group Art Unit 1714 1755
Examiner Name WOOP
Attorney Docket Number 10118.00012

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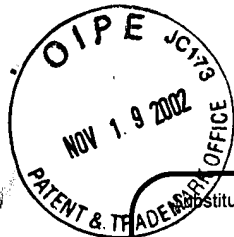
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| Filing Date | January 23, 2002 |
| First Named Inventor | Laurence C. Chow |
| Group Art Unit | 1714 1753 |
| Examiner Name | WOOD |
| Attorney Docket Number | 10118.00012 |

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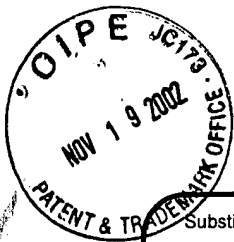
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| Application Number | 10/057,554 |
| Filing Date | January 23, 2002 |
| First Named Inventor | Laurence C. Chow |
| Group Art Unit | 1714 1755 |
| Examiner Name | WCD |
| Attorney Docket Number | 10118.00012 |

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| | | Xu et al., "Effects of Fiber Length and Volume Fraction on the Reinforcement of Calcium Phosphate Cement", <u>J. Mater. Sci: Materials in Medicine</u> , 12 (2001) 57-65. | |
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| aw | | English Translation, Japanese Examiner's Citation to References, February 2, 1999. | |

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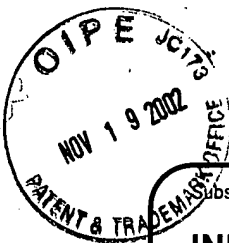
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| Application Number | 10/057,554 |
| Filing Date | January 23, 2002 |
| First Named Inventor | Laurence C. Chow |
| Group Art Unit | 1714 1755 |
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|------------------------|--------------------------|---|----------------|
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| Filing Date | January 23, 2002 |
| First Named Inventor | Laurence C. Chow |
| Group Art Unit | 1714 / 155 |
| Examiner Name | WASP |
| Attorney Docket Number | 10118.00012 |

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| WASP | | Posner et al. "Synthetic Amorphous Calcium Phosphate and Its Relation to Bone Mineral Structure" <u>Accounts of Chemical Research</u> , 8, 273 (1975). * | |
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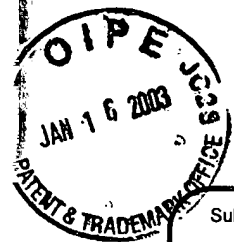
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| clw | | Zimmerman et al., "The Effect of Remineralization Fluids on Carious Lesions in Vitro", IADR Abstract No. 282 (1979). ★ | |
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